

# Daily GLOWBUGS

## Digest: V1 #48

via AB4EL Web Digests @ SunSITE

Purpose: building and operating vacuum tube-based QRP rigs

[AB4EL Ham Radio Homepage @ SunSITE](#)

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%%%% GlowBugs %%%% GlowBugs %%%% GlowBugs %%%% GlowBugs %%%%

**Subject: glowbugs V1 #48**

**glowbugs**

**Monday, June 2 1997**

**Volume 01 : Number 048**

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Date: Sat, 31 May 1997 20:10:38 -0700

From: Richard Wilkerson <richqrp@cts.com>

Subject: RE: Weekend BA/GB/CWist funzies.....yes/no?? YES!

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From: Doug[SMTP:doug@sunrise.alpinet.net]

Sent: Saturday, May 31, 1997 4:35 PM

To: glowbugs@www.atl.org

Subject: Re: Weekend BA/GB/CWist funzies.....yes/no?? YES!

Hi Rich and the Gang...yep, I'm here. If things quiet down here tonight after the lightning goes by, I'll light off the 4-1000a on 7050 around 0200z....if anyone's interested. I'd sure like to hear Bry on his bug....I'm glad he's giving it a try.

73

Doug, K7YD

Livingston, MT

Richard Wilkerson wrote:

>

> I have worked K7YD, Doug. From time to time on 7050 kc. He is about

> the only one on the group I can hear from So. Cal.

> I dont know if K7YD is on this list? He starts some where around 0200

> hrs. Z.

> Hope to work or at least Hear you guys.....

>

> --

> 72's..... rich

> Rich Wilkerson, WD6FDD, Santee, Ca.

> NorCal, ARCI, ScQRPions, E.C.R.A.

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You know.....you must be very careful of who you talk about on this list!!!!!!!

Hello Doug... glad to know that you are on this list, now I can keep in touch if we miss at night.....HI HI....

Hope to hear you on the band..been very busy here as I retired two days ago....

Honey do's up to my neck.. I will try and get on 7050 kc at night though...

72's.....rich

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Date: Sat, 31 May 1997 21:23:34 -0700  
**From:** "Paul Carreiro, N6EV" <carreiro@barepower.net>  
**Subject:** RE: Weekend BA/GB/CWist funzies.....yes/no?? YES!

At 08:10 PM 5/31/97 -0700, Doug, K7YD wrote:  
>Hi Rich and the Gang...yep, I'm here. If things quiet down here tonight  
>after the lightning goes by, I'll light off the 4-1000a on 7050 around  
>0200z....if anyone's interested. I'd sure like to hear Bry on his  
>bug....I'm glad he's giving it a try.

Had a nice gathering at 0200z with Doug, K7YD, Jack, W7QQQ, Mark, KE6JJR  
and my self. Will continue to check the frequency during the remainder of  
the weekend.

73 all  
Paul N6EV

Paul F. Carreiro - N6EV - ex-N6HCS - El Camino Village, CA  
E-Mail: carreiro@barepower.net - <http://www.barepower.net/~carreiro/>  
QRP - Boatanchors - Glowbugs - Mobile CW - QRQ +40WPM - ZUT!  
NorCal QRP #367 - QRP QRCI #8885 - CW FISTS #1407 - QRP-L #236  
Zuni Loop Mountain Expeditionary Force (QRP Field Day)

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Date: Sat, 31 May 1997 23:38:18 -0700 (PDT)  
**From:** Ken Gordon <keng@uidaho.edu>  
**Subject:** Re: 12AX7...

> > something screwy here.  
> >  
> > Anyone ?  
> >  
> > Ken W7EKB  
> >  
>  
> Yes I thought the same thing upon reading that about 7.5 watts!  
>  
> Was someone at HQ tipping the bottle a wee bit that day  
> I wonder?

Except that there is the "Minimum plate current of 14 ma and maximum plate  
current at full out put of 40 ma at 300 vdc." Seems to me that someone  
went to a lot of trouble to perpetrate a falsehood.

Weird!

Ken W7EKB

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Date: Sun, 1 Jun 1997 09:56:59 -0400 (EDT)  
**From:** leeboo@ct.net (Leon Wiltsey)  
**Subject:** NEED TOROID COIL

>To: ba  
>From: leeboo@ct.net (Leon Wiltsey)  
>Subject: NEED TOROID COIL  
>Cc:  
>Bcc:  
>X-Attachments:

>  
>>Date: Sat, 31 May 1997 20:18:45 -0400 (EDT)  
>>Reply-To: leeboo@CT.NET  
>>Sender: owner-boatanchors@sco.theporch.com  
>>From: leeboo@CT.NET (Leon Wiltsey)  
>>To: BOATANCHORS@sco.theporch.com  
>>Subject: NEED TOROID COIL  
>>X-Sender: leeboo@ct.net  
>>X-Listprocessor-Version: 8.1 -- ListProcessor(tm) by CREN  
>>  
>>Hi gang:  
>>  
>>Have read with much interest all the good dope on a simple  
>>audio peaking circuit for the output stage of a regen rec.  
>>Problem is where do you get those nice 88mh toroid coils?  
>>If anybody has some they want to sell please email me and  
>>I will be glad to purchase them. thanks 73 73  
>>  
>>  
>>68 yr old semidisabled senior  
>>(stroke got my balance & hand to eye coordination)  
>>ham agn as KF4RCL TECK+ (MUCH HAPPINESS)  
>>BUILD MOST OF MY STATION EQUIP  
>>SUB.BA & GB  
>>(tubes that is no SOLID STATE)  
>>  
>>Leon B Wiltsey (Lee)  
>>4600 Lake Haven BLVD.  
>>Sebring, Fl. 33872  
>>  
>>SEBRING FL. THAT WONDERFUL PLACE WHERE THERE IS NO QRM  
>>FROM ANYTHING LOCAL  
>>  
>>  
>>  
>

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SEBRING FL. THAT WONDERFUL PLACE WHERE THERE IS NO QRM  
FROM ANYTHING LOCAL

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Date: Sun, 1 Jun 1997 08:53:19 -0700 (MST)  
From: Jack Meadows <jackmead@getnet.com>  
Subject: RE: Weekend BA/GB/CWist funzies.....yes/no?? YES!

>At 08:10 PM 5/31/97 -0700, Doug, K7YD wrote:  
>>Hi Rich and the Gang...yep, I'm here. If things quiet down here tonight  
>>after the lightning goes by, I'll light off the 4-1000a on 7050 around  
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>>bug....I'm glad he's giving it a try.  
>

>Had a nice gathering at 0200z with Doug, K7YD, Jack, W7QQQ, Mark, KE6JJR  
>and my self. Will continue to check the frequency during the remainder of  
>the weekend.  
>  
>73 all  
>Paul N6EV  
>

Yes, it was quite an event. We had a one tube osc. transmitter (W7QQQ), a  
40 watt novice? rig (N6EV), a Swan 100 (KE6JJR), and a big kilowatt (K7YD).  
I wonder how my one tuber would drive my homebrew pair of 813's amplifier? Ha!  
What a combination! It would probably put out big harmonics though...grin.  
Tonight I'll fire up the 813's and Yaseu FT-101. Makes for easier copy in the  
static crashes. I'll dust off the ole straight key as well. Fun.

7050  
0200 UTC

Best regards,  
Jack W7QQQ  
Mesa, Arizona

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Date: Sun, 1 Jun 1997 09:30:17 -0800  
From: "Kenneth G. Gordon" <keng@uidaho.edu>  
Subject: Electrolytic caps. needed...

It looks like I am going to have to replace all of the electrolytic  
caps. in the power-supply circuits of my children's HW-16 and would  
like to tap the collective wisdom of the list:

I am considering buying some of those photoflash type caps., but am  
wondering how they would react to continuous use at full working  
voltage. Does anyone here have experience along these lines?

Also, one of those I require is a 4 section job. I have not yet  
found one suitable in either my AES catalog or in Newark's catalog or  
in Fair Radio. Can anyone recommend a better source for these ?

I have also discovered why the HW-16 usually chirps so badly when  
used on crystal control in so many cases: the voltage regulation to  
the oscillator tube is TERRIBLE!!!, falling from 310 VDC with key up  
to about 180 VDC with key down. When I jury-rigged VR tubes to  
supply both plate and screen, chirp went away.

Ken W7EKB

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Date: Sun, 1 Jun 1997 09:30:17 -0800  
From: "Kenneth G. Gordon" <keng@uidaho.edu>  
Subject: 7050

Will anyone be on there tonight? (Sunday).

I will try to be there with the GRC-109.

Couldn't make it last night as I had a service call until 0440Z and  
then ate dinner and went to bed.

Ken W7EKB

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Date: Sun, 1 Jun 1997 10:24:10 -0700  
**From:** Richard Wilkerson <richqrp@cts.com>  
**Subject:** RE: 7050

I'll give it a try Ken...0200??????  
72's.....rich

- -----  
**From:** Kenneth G. Gordon[SMTP:keng@uidaho.edu]  
**Sent:** Sunday, June 01, 1997 10:30 AM  
**To:** glowbugs@www.atl.org  
**Subject:** 7050

Will anyone be on there tonight? (Sunday).

I will try to be there with the GRC-109.

Couldn't make it last night as I had a service call until 0440Z and then ate dinner and went to bed.

Ken W7EKB

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Date: Sun, 1 Jun 1997 17:10:51 -0500  
**From:** "John Lockhart" <jlockj@minn.net>  
**Subject:** 6LQ6's

Hello to the Group,

Anyone have two good 6LQ6's they'd be willing to part with? I'd prefer RCA manufacture, but would try anything! (the 6LQ6 also goes as 6JE6C)

I have some other sweep tubes or 6146's to swap or would buy outright.

Thanks,

John W0DC

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Date: Sun, 1 Jun 1997 17:29:00 -0500  
**From:** bill@skeeter.frco.com (William Hawkins)  
**Subject:** Re: 12AX7

Dug out the RCA manual to see what it says about the T, U, and X7. Data sheets dated 1954, 1960, and 1961 show the following:

Item	12AT7	12AU7	12AX7
Max Watts	2.5	2.75	1.2
Max Avg Ma	-	22	-
Max Volts	300	330	330

The 12AU7A is rated for 5.5 watts with both triodes at max.

Anybody tried burning up a 12AX7 yet? Wonder what the military equivalents have for max ratings.

Regards,

Bill Hawkins

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Date: Sun, 1 Jun 1997 23:18:36 -0700 (PDT)  
From: Ken Gordon <keng@uidaho.edu>  
Subject: Re: 12AX7

On Sun, 1 Jun 1997, William Hawkins wrote:

> Dug out the RCA manual to see what it says about the T, U, and X7.  
> Data sheets dated 1954, 1960, and 1961 show the following:  
>  
> Item            12AT7    12AU7    12AX7  
> Max Watts      2.5      2.75    1.2  
> Max Avg Ma     -        22      -  
> Max Volts      300      330    330  
>

This is HIGHLY weird since the plates in the X7 are NEARLY 3 TIMES as large as those of the T7 ! By actual measurement of one of the plates of each tube, I get .8625 square inches of area for each plate in the 12AX7 and .375 square inches of area for each plate in the 12AT7. Further, from the data above, the 12AU7 at 22 ma at 330 volts is 7.26 watts max. average power, not 2.75 watts.

This whole discussion has REALLY gotten me confused!!!!

> The 12AU7A is rated for 5.5 watts with both triodes at max.  
>

Hmmmmmm.....

> Anybody tried burning up a 12AX7 yet? Wonder what the military  
> equivalents have for max ratings.

Not yet, but I am about to try it...this is getting out of hand.

Ken W7EKB

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End of glowbugs V1 #48  
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Created by Steve Modena, AB4EL  
Comments and suggestions to [modena@SunSITE.unc.edu](mailto:modena@SunSITE.unc.edu)

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